

CENTRAL INTELLIGENCE AGENCY

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- E - Chimney.
- F - Open, reinforced concrete bunkers for coal-dust.
- G - Covered, reinforced concrete bunkers for reserve coal-dust.
- H - Distributing station (See map for directions of leads and voltage figures.)

4. Machine room includes:

- a) Generator No. 1 for alternating current, SSW (Siemens-Schuckert Werke) Model No. 6000209 FT 490/570/3000.
 - Contact: Y (Star)
 - Voltage: 10,500 V
 - Amperage: 1650 A
 - Output: 30,000 Kva (power factor of 0.8).
 - Revolutions: 3000.50 revolutions per second
- b) Generator No. 2 for alternating current, SSW Model No. 2300583 MFT 470/54-3000.
 - Contact: Y (Star)
 - Voltage: 3150 V
 - Amperage: 2930 A
 - Output: 16,000 Kva (power factor of 0.8.)
 - Revolutions: 3000.50 revolutions per second.

The generators are directly connected with the steam-driven turbines. Steam pressure amounts to 42 atmospheres. There are two boilers; one is a Borsig, made in 1941-42. Because of defects in the blades, the turbine of the 30,000 Kva generator can be used up to only 70% or 75% of its normal capacity. Negotiations have been underway since 1947 with the Skoda plant in Czechoslovakia to have the turbine repaired. This cannot be done in Yugoslav plants because of lack of material and skilled workers.

5. The Trbovlje Power Plant supplies electric energy to the Trbovlje Coal Mine, as well as the town of Trbovlje, to the coal mine in Zagorje, and the town of Zagorje. Surplus energy is supplied to the Slovene State power net through distributor and transformer stations in Podlog and Lasko. The electric distribution and switch stations are varied, consisting of 3, 10, 30, 60 and 110 kilovolt (KV) devices. (The 16,000 Kva generator feeds into a 3 Kv line. This 3 Kv power is transformed to 30 Kv by three transformers in parallel. The 30 Kv line is run as a double line to Lasko and as a single line to Zagorje. The 30,000 Kva generator feeds into the 10 Kv line, and there is a 10 Kv/3 Kv, 10,000 Kva capacity, transformer connecting between the 10 Kv line and the 3 Kv line. The 10 Kv power lines are connected through the 10/110 Kv transformer with the new 110 Kv line which runs to Zagreb, via Lasko and Rajhenburg. The

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The 60 kilovolts of the Podlog line are also transformed to 10 Kv. This line connects Trbovlje with the rest of the Slovene electric net, as well as with power plants in Velenje and Dravograd. The switches for each voltage are of different makes:

- a) 110 Kv switch is a BBC (Brown-Boveri Co.) connector switch.
 - b) 30 Kv switch is a SSW (Siemens-Schuckert) expansion switch type R 6246/3030 S.
 - c) 60 Kv switch is a SSW expansion switch type R 624 g/60.
 - d) 10 Kv switch is a SSW expansion switch type R 624 g/60.
 - e) 3 Kv switch is a BBC, "Hartgass" and expansion switch.
6. The Trbovlje mine is supplied by overhead power lines with electric power through 3 and 10 Kv units.

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